

I. AMENDMENTS TO CLAIMS

Claims 1-43. (Canceled).

44. (Currently Amended) A method of obtaining a member of a specific binding pair, the method comprising:

providing a library of ~~in-vitro~~ in vitro mutagenized nucleic ~~acid~~ acid molecules from an existing antibody ~~coding-sequence~~ encoding nucleic acid molecule,

producing a library of filamentous bacteriophage particles displaying on the surface a population of specific binding pair members which comprise a binding domain of an immunoglobulin, each filamentous bacteriophage particle containing a nucleic acid molecule from the library of ~~in-vitro~~ in vitro mutagenized nucleic ~~acid~~ acid molecules from an existing antibody ~~coding-sequence~~ encoding nucleic acid molecule,

contacting the library of filamentous bacteriophage particles with a desired epitope,
and

separating filamentous bacteriophage particles displaying on the surface specific binding pair members comprising a binding domain which binds to said epitope,

wherein the specific binding pair members are Fabs.

45. (Cancelled)

46. (Cancelled)

47. (Currently Amended) A method of producing a specific binding pair member, the method comprising:

- (i) obtaining a nucleic acid molecule from a separated filamentous bacteriophage particle obtained by a method according to claim 44; and
- (ii) producing by expression from the nucleic acid ~~sequence~~ molecule obtained in step (i) the encoded specific binding pair member.

48. (Currently Amended) A method of producing a nucleic acid molecule encoding a specific binding pair member, the method comprising:

- (i) obtaining a nucleic acid molecule from a separated filamentous bacteriophage particle obtained by a method according to claim 44; and
- (ii) producing from the nucleic acid molecule obtained in step (i) a nucleic acid molecule which encodes a specific binding pair member.

- 49. (Cancelled)
- 50. (Cancelled)
- 51. (Cancelled)
- 52. (Cancelled)
- 53. (Cancelled)
- 54. (Cancelled)
- 55. (Cancelled)
- 56. (Cancelled)
- 57. (Cancelled)
- 58. (Cancelled)
- 59. (Cancelled)
- 60. (Cancelled)

- 61. (Currently Amended). A method of producing a nucleic acid molecule encoding a specific binding pair member, the method comprising:

- (i) obtaining a nucleic acid molecule from a separated filamentous bacteriophage particle obtained by a method according to claim 44; and
- (ii) producing from the nucleic acid molecule obtained in step (i) a nucleic acid molecule which encodes a derivative specific binding pair member, wherein said derivative specific binding pair member is produced by addition, deletion, substitution or insertion of one or more amino acids in, or by linkage of another molecule to, a specific binding pair member encoded by the nucleic acid molecule obtained in step (i).

- 62. (Currently Amended). A method of producing a specific binding pair member, the method comprising:

producing by expression from the encoding nucleic acid molecule obtained by a method according to claim 61 said derivative specific binding pair member.